

# KAUFMAN

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INFORMATION

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## K Pro UW Splash Zone

### Description

K Pro UW Splash Zone is a 100% solids trowel grade marine epoxy paste formulated to bond to a variety of materials in underwater applications. K Pro UW Splash Zone is self-priming and consists of two-components with an easy to use 1:1 mix ratio.

K Pro UW Splash Zone may be used in fresh, salt, or brackish water, and will bond effectively to wood, concrete, steel, and fiberglass.

### Uses

K Pro UW Splash Zone is ideal for sealing cracks underwater, setting injection ports and general repair of concrete, steel, and wood in underwater environments.

### Physical Properties

Color	Grey
Solids Content	100%
Mixing Ratio	1:1 by volume
Gel Time @ 72° F	4 hours
Viscosity	Non-Sag Paste
Density	14 lb./gallon
Dry Film Thickness	1/8" to 2"
Compressive Strength @ 60°F (ASTM D-695)	
24 Hours	600-900 psi.
3 Days	2,800-3,500 psi.
7 Days	3,200-4,500 psi.
Tensile Strength @ 60°F (ASTM D638)	3,000-3,800 psi.
Tensile Elongation @ 60°F (ASTM D695)	1-3%
Curing Time @ 70°F	2 hrs. from initial

### Packaging/Yield

2 gallon unit (462 in<sup>3</sup>)  
10 gallon unit (4,620 in<sup>3</sup>)

### Directions

#### Surface Preparation

*Concrete Surfaces* must be clean and sound. Remove all grease, oil, wax, curing compound, sealers, laitance, loose concrete or wood, rust, marine growth, and other foreign matter that would act as a bond-breaker. Water-blasting and/or a wire brush are the preferred methods of preparation to provide an open textured profile. Concrete surfaces should be prepared to a CSP 3-5 as per ICRI Guideline 310.2R to achieve proper bonding adhesion to concrete.

*Metal Surfaces* should be prepared to SSPC-SP6/NACE 3 Commercial Blast Cleaning with a 2-3 mil surface profile. On previously coated surfaces, remove surface contaminants by mechanically abrading to achieve an SSPC-SP3 Power Tool Cleaning.

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application. All surfaces must be sound, free of marine growth, oil, and other contaminants. Prepare the wood surface by high-pressure water cleaning or other mechanical means.

### Proportioning/Mixing

The volumetric ratio of K Pro UW Splash Zone is 1:1 (A:B), epoxy to hardener. To mix, proportion one part A and 1 part B by volume. Mix thoroughly by hand (wearing chemically resistant gloves dampened with water to prevent sticking) for 2-3 minutes until a uniform consistency is achieved. Prepare only what can be used within the working time of the product.

### Application

K Pro UW Splash Zone should be applied by hand, wearing tight fitting rubber or plastic chemical resistant gloves. Gloves should be wet with water to prevent sticking. Press the mixed epoxy paste into the area and knead into place making sure to get good contact with the underlying substrate, displacing water and avoid trapping air bubbles. Can be applied up to 2" in a single pass. Smooth out gently by hand using water as a lubricant. K Pro UW Splash Zone may also be placed with a trowel or broad knife.

If applying to dry surfaces, keep gloved hands or application tools wet to prevent sticking.

### Precautions

**Do not thin K Pro UW Splash Zone. The contractor shall use the test method prescribed ACI 503R to determine that the preparation produced a surface capable of providing tensile bond strength greater than 250 psi. Do not use in ambient temperatures below 40°F. K Pro UW Splash Zone should not be used in sustained tensile load adhesive anchoring applications where adhesive failure could result in a public safety risk. Consult a design professional prior to use.**

### Storage Conditions

Store dry at 40-90°F. Condition material to 60-75°F before using. Shelf life is two years from the date of manufacture.

### Technical Information

Test results were achieved under laboratory conditions. Statistical variations will occur based upon mixing methods, temperature & humidity, test methodology, site conditions, curing conditions, application methods, and equipment.

For professional use

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